Underground Storage Tank Control Regulations

APPLICATION FOR PERMIT TO INSTALL

GENERAL INFORMATION:

On May 24, 1985, the South Carolina Underground Storage Tank Control Regulations (SCUSTCR) became effective. Revisions to these regulations became effective on March 23, 1997. The regulations provide for the development and implementation of a regulatory program for underground storage tanks that store regulated substances. The regulations set forth specific requirements designed to prevent releases from underground storage tanks (USTs). To ensure that the design, construction, and installation requirements are met, a tank permitting program has been established. Pursuant to SCUSTCR R.61-92, Subpart B, Section 280.20, after January 1, 1986, any person who proposes to install a new tank must apply for a Permit to Install and possess this permit prior to tank installation. A Permit to Install will be issued for UST systems upon Department review and approval of the Application for Permit to Install. An Application for Permit to Operate will be included with the Permit to Install. The Application for Permit to Operate must be submitted when the installation of the UST system has been completed. Upon Department review and approval of the Application for Permit to Operate, a Permit to Operate will be issued. An invoice for the registration fee, as authorized by the State Underground Petroleum Environmental Response Bank (SUPERB) Act, will be issued at the time that a UST system is ballasted with fuel or at the time the Permit to Operate is issued, whichever is earliest. Please note that the operation of a UST system without a Permit to Operate is a violation of the SCUSTR R.61-92, Subpart B, Section 280.23(b).

EXPLANATION AND DEFINITIONS:

Complete DHEC Form 2101 only if you are proposing to install a UST system. Please read the instructions carefully prior to completing the form. If you have any questions regarding this form, please contact the UST Permitting Coordinator at (803) 896-6942.

“New tank” means any tank installed after January 1, 1986.

“Underground storage tank (UST)” means any one or combination of underground enclosed containers (including underground pipes connected thereto) that is 10 percent or more beneath the surface of the ground. Excluded are:

1) farm or residential tanks of 1,100 gallons or less in capacity used for storing motor fuel for noncommercial purposes;
2) tanks used for storing heating oil for consumptive use on the premises where stored;
3) septic tanks;
4) pipeline facilities (including gathering lines and those facilities that are intrastate) regulated under the Natural Gas Pipeline Safety Act of 1968, the Hazardous Liquid Pipeline Safety Act of 1979, or under state laws;
5) surface impoundments, pits, ponds, or lagoons;
6) storm water or waste water collection systems;
7) flow-through process tanks;
8) liquid traps or associated gathering lines directly related to oil or gas production and gathering operations; and
9) storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) and if the storage tank is situated upon or above the surface of the floor.

“Regulated substance” means any substance defined in Section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980 (but not including any substance regulated as a hazardous waste under Subtitle C) and petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute). If you do not know whether your tank contains a regulated substance, please call the UST Permitting Coordinator at (803) 896-6942.

“Owner” means:

1) In the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for storage, use, or dispensing of regulated substances;
2) In the case of any underground storage tank system in use before November 8, 1984, but no longer in use on that date, any person who owned such UST immediately before the discontinuation of its use; or
3) A person who has assumed legal ownership of the underground storage tank through the provisions of a contract of sale or other legally binding transfer of ownership.

INSTRUCTIONS FOR COMPLETING THE APPLICATION FOR PERMIT TO INSTALL:

I. Location of Tank(s) - Enter the name and physical street address of the facility where the tank(s) are to be located. The address must include the name of the county in which the facility is to be located.

II. Tank Ownership - Enter the name, mailing address, and telephone number of the tank owner.

a) Site Information - The site identification number (UST Site ID #) for any regulated tanks previously or presently at the site must be provided. If any of the existing tanks are to be replaced, then the substance stored and capacity of the tanks must be denoted.

III. Operator Information - Enter the name, mailing address, and telephone number of operator.

IV. Landowner Information - Enter the name, mailing address, and telephone number of landowner. Please ensure that, if the landowner and tank owner are different entities, the installer has express permission from the landowner to perform any tank installation. The signature of the landowner is required if the tank owner is a different entity.

V. Certification - The application must be signed by the owner or an authorized representative of the facility. An authorized representative is a person responsible for the overall operation of the facility (for example, a plant manager, superintendent or a designated official of the company that owns the UST system). Contractors, please do not sign this area of the form.

VI. Tanks - Complete the empty boxes or spaces found under each heading. In that the design, construction, and installation details may vary for individual tanks to be installed, a column for each individual tank (up to five tanks) has been provided. Therefore, it is necessary to designate a number for each individual tank to be installed. Please address each compartment of a compartmentalized tank as an individual tank.

VII. Water Supply Wells - Complete the empty boxes or spaces as indicated.

VIII. Piping - Complete the empty boxes or spaces as indicated.

IX. Spill and Overfill Prevention Equipment - Complete the empty boxes or spaces as indicated.

X. Release Detection - Complete the empty boxes or spaces as indicated.

XI. Site Map - Attach a site map as described.

XII. Certificate of Installation - Complete the empty boxes or spaces as indicated.

XIII. Installation - Complete the empty boxes or spaces as indicated.

XIV. Financial Responsibility – Using DHEC Form 3472, Certificate of Financial Responsibility, enter the method (and insurer, when applicable) for meeting financial responsibility requirements. Submit supporting documentation for the method chosen.

OFFICE MECHANICS AND FILING:

After completing the form, send the form and required supplemental documentation to:

UST Permitting Coordinator
SC Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201-1708

It is recommended that the UST owner retain a copy of the completed Permit to Install application. Allow approximately two to four weeks for Department review, except for sites located in Beaufort, Berkeley, Charleston, Colleton, Dorchester, Georgetown, Horry, or Jasper Counties; applications for these counties must be reviewed and approved by the Office of Ocean and Coastal Resource Management (OCRM) prior to the issuance of a Permit to Install. Allow six weeks for approval of installations in the noted coastal counties.

D H E C
PROMOTE PROTECT PROSPER

Underground Storage Tank Regulatory Compliance Division
S.C. Department of Health and Environmental Control
2600 Bull Street, Columbia, S.C. 29201
Telephone: (803) 896-7957 Fax: (803) 896-6245
www.scdhec.gov/ust

APPLICATION FOR PERMIT TO INSTALL

I. LOCATION OF TANK(S)

Facility Name

Physical Street Address

City State Zip Code

Area Code Telephone Number

Contact Person

County Tax Map Identification Number

Were tanks ever present on site? Yes [ ] No [ ]

If so, please indicate the Site ID# associated with the tanks:

II. TANK OWNER

Tank Owner Name (corporation, individual, etc.)

Street Address

City State Zip Code

Area Code Telephone Number

EIN or SSN

Will any existing tanks be replaced by new tanks?
Yes [ ] No [ ]
If yes, indicate which tanks will be replaced:

Tank(s): _____

Capacity: _____

Substance Stored: _____

III. OPERATOR INFORMATION

Name

Mailing Address

City State Zip Code

Area Code Telephone Number

EIN or SSN

IV. LANDOWNER INFORMATION

Name

Mailing Address

City State Zip Code

Area Code Telephone Number

Landowner Signature (if different than the tank owner)

V. CERTIFICATION

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this and all attached documents. Based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature Date Signed

Name (type or print) Title

Any changes regarding the information supplied on this application must be submitted in writing and approved by the UST Permitting Coordinator.

VI. TANK INFORMATION

Tanks must be properly designed and constructed. Any portion underground that routinely contains product must be protected from corrosion in accordance with a code of practice developed by a nationally-recognized association or testing laboratory (SCUSTCR R.61-92, Part 280.20[a]).

	1	2	3	4	5
Tank Number (list each compartment separately)					
Enter "N" for new or "R" for recertified					
Capacity (gallons)					
Construction Material (check one): Steel w/anode					
Fiberglass-Reinforced Plastic (FRP)					
Steel-FRP Composite					
Steel - Polyurethane					
Other (specify)					
Containment: (check one)					
Single Wall					
Double Wall (indicate if brine or vaccuum is used)					
Substance to be Stored (check one): Gasoline					
Diesel					
Kerosene					
Ethanol (indicate blend level)					
Biodiesel (indicate blend level)					
Mixture of Substances					
List all substances to be stored: _____					
Hazardous Substance					
Name of Substance: _____					
Chemical Abstract Service (CAS): _____					

Tank Manufacturer: _____

Will tanks be anchored? Yes [ ] No [ ] If yes, please list type of anchoring system: _____

VII. WATER SUPPLY WELLS

All new tank systems that are installed within 1,000 feet of an existing water supply well or within 100 feet of a coastal zone critical area or state navigable waters must install an approved method of secondary containment [SCUSTCR R.61-92, Section 280.20(g)].

Actual distance, in feet, of the storage tank system (tanks, product piping and dispenser islands) to the nearest water supply well(s): _____

Please note that any existing water supply well, regardless of its purpose or status (in use or unused) must be denoted.

Actual distance, in feet, of the storage tank system to the nearest coastal zone or state navigable waters: _____

Please note that these distances must be specific true measurements.

"Coastal zone" means all coastal waters and submerged lands seaward to the State's jurisdictional limits and all lands and waters in the counties of the state which contain any one or more of the critical area. These counties are Beaufort, Berkeley, Charleston, Colleton, Dorchester, Horry, Jasper, and Georgetown.

"Critical Area" means any of the following: (1) coastal waters, (2) tideland, or (3) beach/dunes systems, as defined by the Office of Ocean and Coastal Resource Management Regulations.

"Navigable waters" means those waters that are now navigable, or have been navigable at any time, or are capable of being rendered navigable by the removal of accidental obstruction, by rafts of lumber or timber by small pleasure or sport fishing boats. Navigability is defined in R.19-450, Permits for Construction in Navigable Waters.

"Water Supply Well" means any well intended to produce potable water for human consumption and/or for uses such as lawn and landscape watering or other agricultural uses.

VIII. PIPING INFORMATION

The piping that routinely contains regulated substances and is in contact with the ground must be properly designed, constructed, and protected from corrosion in accordance with a code of practice developed by a nationally-recognized association or independent testing laboratory [SCUSTCR R.61-92, Section 280.20 (b)].

NOTE: All metal components of piping systems (flex connectors, check valves, etc.) that are in contact with backfill (not housed in containment sumps or protected by boots and/or jackets) must be coated with an acceptable dielectric coating and cathodically protected. If the use of anodes is proven to be necessary due to contact with the backfill, please designate the location of the anodes. Attach additional sheets if necessary.

Tank Number (list each compartment separately)		1	2	3	4	5
Material of Construction (check one):	Flexible					
	Fiberglass Reinforced Plastic (FRP)					
	Other (Specify)					
Containment: (check one):	Single Wall					
	Double Wall					
	Triple Wall					
Pumping System (check one):	Pressurized					
	Suction (Specify Foot, Angled, or Vertical Check Valve)					
	Other (Specify)					

How will metal components (flex connectors, fittings, etc.) be protected? _____

Does piping meet July 1, 2005, UL Standard? Yes [ ] No [ ] Piping Manufacturer: _____ Model: _____

IX. SPILL AND OVERFILL PREVENTION EQUIPMENT

Spill and overfill prevention equipment must be used to prevent spills and overfills associated with product transfer to the underground storage tank system unless the system is filled by transfers of no more than 25 gallons at a time.

Spill Prevention Equipment

Will it be used? Yes [ ] No [ ] If No, please list reason for exclusion: _____

Manufacturer: _____ Model: _____

Overfill Prevention Equipment

Will it be used? Yes [ ] No [ ] If No, please list reason for exclusion: _____

Manufacturer: _____ Model: _____

X. RELEASE DETECTION

Owners and operators of new and existing underground storage tank systems must provide a method, or a combination of methods, of release detection [SCUSTCR R.61-92, Section 280.40] that:

- Can detect a release from any portion of the underground storage tank and associated piping that routinely contains product;
- Is installed, calibrated, operated, and maintained in accordance with the manufacturer's instructions, including but not limited to routine maintenance and service checks for adequate operating condition; and
- Meets the performance standards in SCUSTCR R.61-92, Sections 280.43 or 280.44.

Release Detection (check all that apply and complete all applicable blanks)

	Tank(s)	Piping
Manual Tank Gauging *		
Inventory Control with Tank Tightness Testing**		
Statistical Inventory Reconciliation (SIR) SIR Provider: _____		
Automatic Tank Gauging Manufacturer: _____ Model: _____		
Vapor Monitoring		
Groundwater Monitoring *** List depth to groundwater: _____		
Interstitial Monitoring within Secondary Barrier/Containment Manufacturer: _____ Model: _____		
Line Leak Detectors Manufacturer: _____ Model: _____ Electronic [ ] Mechanical [ ] Stand Alone [ ]		
Annual Line Tightness Testing (pressurized piping only)		
Three Year Line Tightness Test (non-exempt suction systems only)		

* **This method may be used as the sole method of leak detection for tanks of 550 gallons or less. Tanks of 551 to 2,000 gallons may use this method until December 22, 2008.**

** **This method may be used until December 22, 2008, at which time a different method of leak detection must be initiated.**

*** **This method may only be used if the groundwater is never more than 20 feet from the ground surface.**

XI. SITE MAP

A site map showing the proposed location of the tank system [to include the entire tank basin, associated piping (product and vent lines), and dispenser islands] must be attached. **Please do not submit tax plat maps or architectural design maps as a replacement for the required site map.**

XII. INSTALLATION PROCEDURES

All tanks and piping must be properly installed in accordance with a code of practice developed by a nationally-recognized association or independent testing laboratory and in accordance with manufacturer's instructions [SCUSTCR R.61-92, Section 280.20(e)]. If a code of practice and the manufacturer's instructions are not in agreement concerning an installation standard, then the more environmentally-protective of the two must be used.
The tank and piping system installation practices and procedures described in the following codes may be used to comply with this requirement. Indicate which standard(s) will be used to oversee the tank system installation.

[ ] American Petroleum Institute Publication 1615, "Installation of Petroleum Storage Systems."

[ ] Petroleum Equipment Institute Publication RP100, "Recommended Practices for Installation of Underground Liquid Storage Systems."

[ ] American National Standards Institute Standard B31.3, "Petroleum Refinery Piping," and American National Standards Institute Standard B31.4, "Liquid Petroleum Transportation Piping System."

XIII. INSTALLATION CERTIFICATION

All owners and operators must ensure that one or more of the following methods of certification, testing, or inspection is used to demonstrate compliance with Section XIII of this application. Complete this section of the application to certify compliance [SCUSTCR R.61-92, Section 280.20(f)]. Check all methods below that will be used to meet this requirement.

[ ] The installer is certified by tank and piping manufacturers.
Name of installer: _____
Contact person and telephone number: _____

[ ] The installation will be inspected and certified by a SC registered professional engineer with education and experience in underground storage tank system installation.

[ ] All work listed in the manufacturer's installation checklists will be completed.

[ ] The owner and operator will comply with another method for ensuring compliance with this section that is determined by the Department to be no less protective of human health and environment.
Please specify method to be used: _____

XIV. FINANCIAL RESPONSIBILITY

Owners and operators of petroleum underground storage tanks must demonstrate financial responsibility for taking corrective action and for compensating third parties for bodily injury and property damage caused by accidental releases arising from the operation of petroleum underground storage tanks [SCUSTCR R. 61-92, Section 280.93]. If South Carolina Underground Petroleum Environmental Response Bank (SUPERB) funds are chosen as a mechanism, proof of the ability to pay the deductible amount must be submitted. A Permit to Install will not be issued without a valid financial responsibility certificate and complete information regarding the mechanism chosen. See attached DHEC Form 3472, Certificate of Financial Responsibility.

XV. STORAGE OF BIODIESEL AND ETHANOL BLENDS

If biodiesel blends greater than B20 but less than B100, and/or ethanol blends greater than E10 but less than E100 are to be stored (even if system is to be installed for future use), then the attached alternative fuel checklist must be completed and submitted with this application. Please review the potential equipment issues pertaining to the use of alternative fuels before submitting the checklist. A Permit to Install for alternative fuel systems will not be issued without the submittal of the required checklist and supplemental information. See attached DHEC Form 3885, Alternative Fuel Checklist.